

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 823

Abstract: of finely ground I (200-210° for 1.5 hours). The mixture is cooled and distilled after the addition of 4 gms of VI. The fraction distilling at 195-270° is washed twice with aqueous 2% NH<sub>4</sub>OH; the yield of the dinitrile of IV is 76.92%, bp 163-164°/10 mm, n<sub>D</sub><sup>20</sup> = 1.445, d<sub>4</sub><sup>20</sup> = 0.9288. In the second reaction, 20 gms of II are heated with 5 gms of I (200-210° for 1.5 hours); after cooling 4 gms of VI are added to the mixture which is then distilled. The fraction distilling at 155-190° is neutralized with NaOH and the nitrile of II is extracted with ether; the yield is 74.2%, bp 156-160°, n<sub>D</sub><sup>20</sup> = 1.4070, d<sub>4</sub><sup>20</sup> = 0.8032. Twenty grams of V are heated with 4 gms of I (230-240° for 1.5 hours). After cooling, 4 gms of VI are added and the mixture distilled; the yield of the nitrile of V is 86.17% (after washing with water), bp 320°, mp 41°. Ten grams of III are heated with 4.3 gms of I (210-220°, 1.5 hours); the reaction mixture is distilled with 2 gms of VI and the fraction distilling at 165-190° is neutralized with NaOH. The nitrile of III is extracted with ether; the yield is 69.2%, bp 170-172%. Twenty grams of II are heated with 16 gms of I in 40 ml of VII for 8 hours; 2-amyl-4-oxy-6-amino-1,2,3-triazine (VIII) is separated by hot filtration; the yield is 60.9%, mp 204-205°. In order

Card 2/3

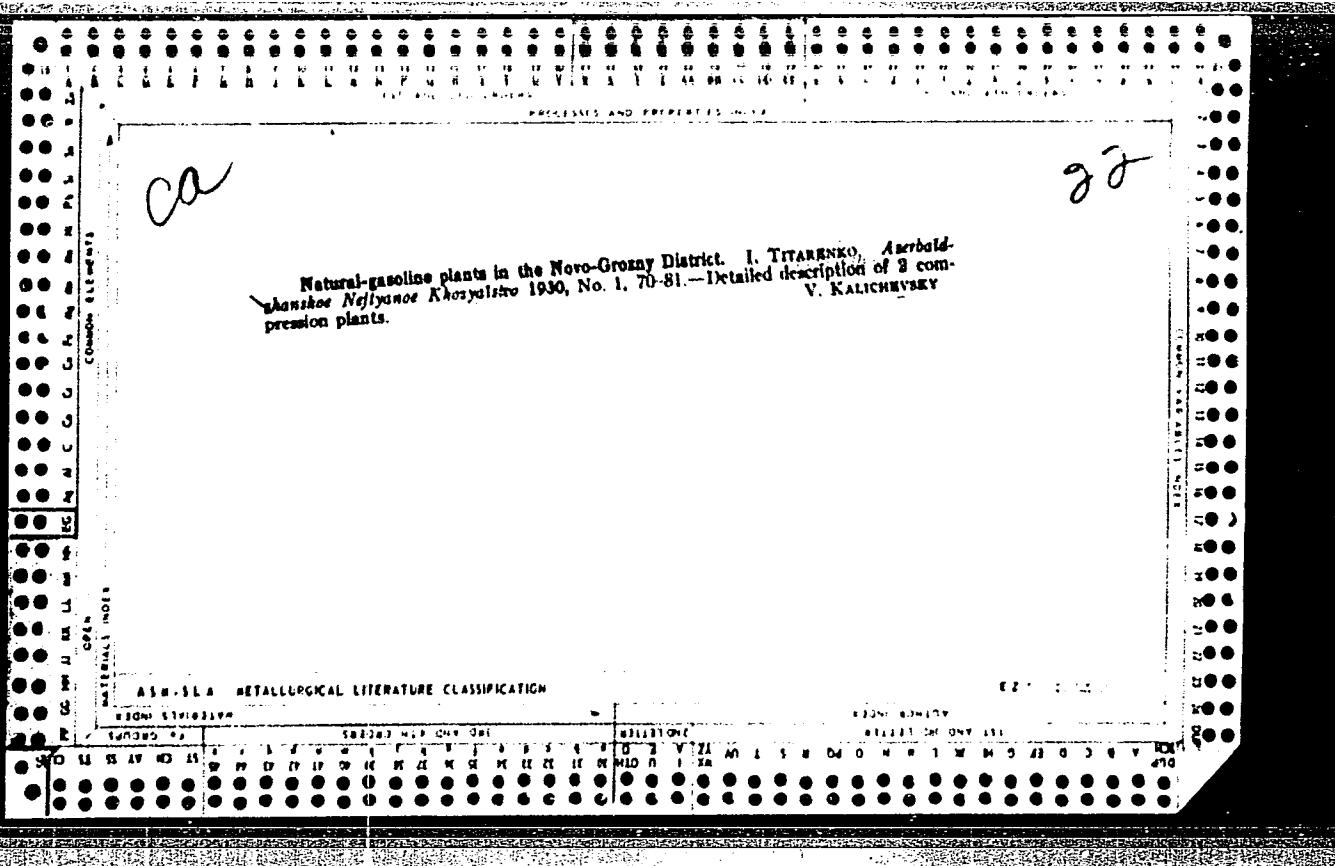
USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

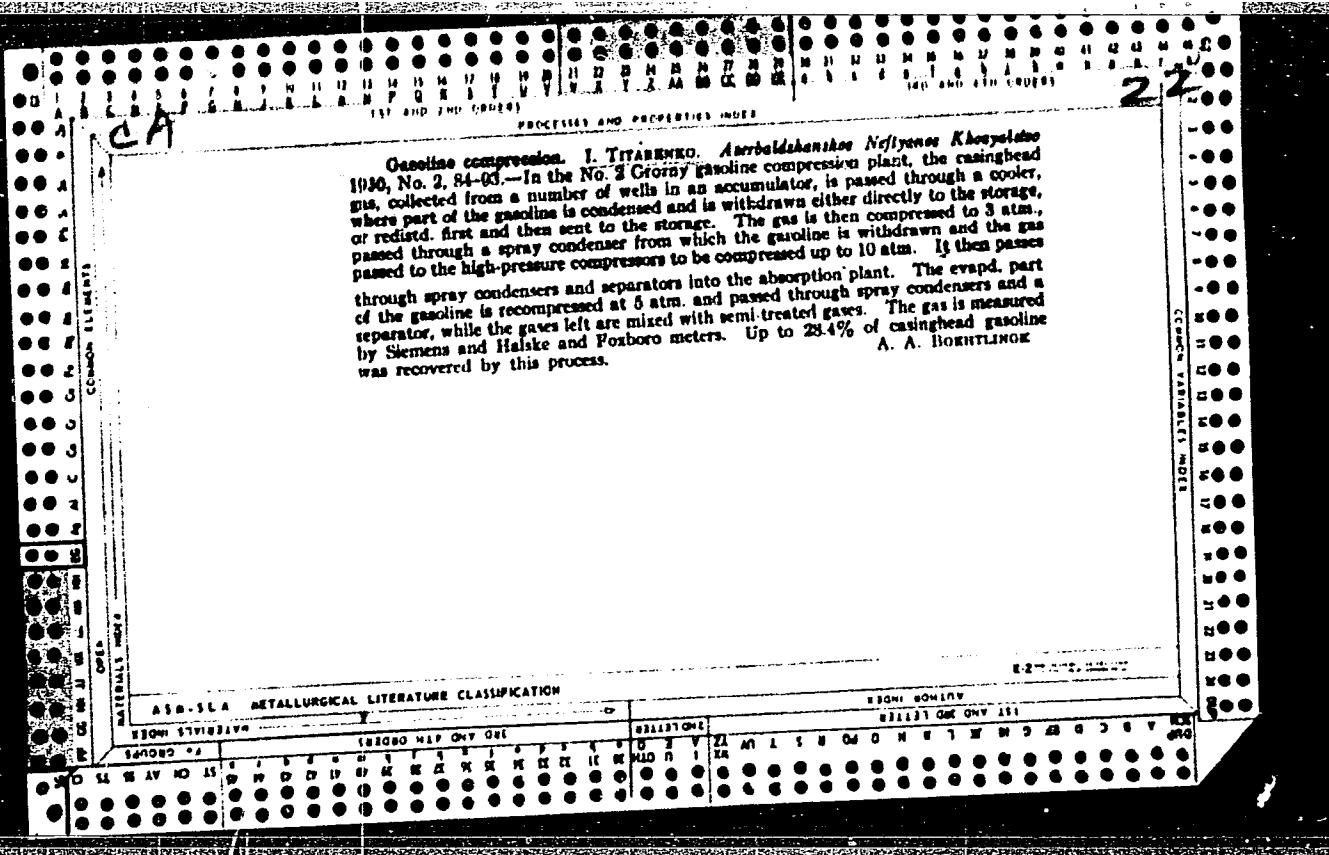
Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 823

Abstract: to verify the structure of VIII the latter was oxidized with  $\text{HNO}_3$  (the reaction yielded valeric acid). By a similar method 2,6-diamino-4-oxy-6-amino-1,2,3-triazine was produced from 10 gms of VII and 7 gms of I in 40 ml of VII; the yield was 53.33%, mp 258°.

Card 3/3

TITARENKO, G. R., Cand Agr Sci -- (diss) "Effect of extra-root nutrition by mineral fertilizers on the increase in harvest of cucumbers in hothouses." Khar'kov, 1960. 16 pp; (Ministry of Agriculture Ukrainian SSR, Khar'kov Order of Labor Red Banner Agricultural Inst im V. V. Lokuchayev); 150 copies; free; (KL, 28-60, 163)





MORGUNOV, I.N.; MEDNIK, M.R.; TITARENKO, I.F.

17/13

Effect of large concentrations of penicillin on Streptococcus hemolyticus. Zhur.mikrobiol.epid.i immun. no.7:101 J1 '54. (MLRA 7:9)

1. Iz Kiyevskogo instituta epidemiologii i mikrobiologii.  
(PENICILLIN) (STREPTOCOCCUS PYOGENES)

Abstract U-7920, 8 Mar 56

TITARENKO, Ivan Ivanovich [Tytarenko, I.I.]; PETROVSKIY, O.M. [Petrovs'kyi, O.M.], red.; LIMANOVA, M.I., tekhn.red.

[We leave America behind us] Perehniaismo Ameryku. Kharkiv, Kharkiv's'ke knyzhkove vyd-vo, 1959. 26 p. (MIRA 13:4)

1. Direktor radgospu "Kegichivka" Kharkiv's'koi oblasti (for Titarenko).

(Kharkov Province--State farms)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820009-4

TITARENKO, I. I.

I. N. KLIMENKO, Groznyanskii Neftyanik 6, No. 3, 33-41, 1936

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820009-4"

BOKSHTEYN, S.Z.; KISHKIN, S.T.; NIKISHOV, A.S.; POLYAK, E.V.; SOLOV'YEVA, G.G.;  
Prinimalni uchastiye: ARZHAKOV, V.M.; BULANOV, A.V.; VERTYUKOVA, L.G.;  
KORABLEVA; MIRSKIY, L.M.; PODVOYSKAYA, O.N.; SAZONOVA, T.N.;  
SOLONINA, O.P.; TITARENKO, I.I.; RINK, L.P.; KOZLOVA, M.N.;  
YERMOLOVA, M.I.; MOROZ, L.M.

Aging of plastically deformed alloys. Metalloved. i term. obr.  
met. no. 5:40-44 My '63. (MIRA 16:5)  
(Heat-resistant alloys--Hardening) (Deformations (Mechanics))

L 47040-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JH  
ACC NR: AT6024922 (A, N) SOURCE CODE: UR/2981/66/000/004/0135/0142  
*38*

AUTHOR: Fridlyander, I. N.; Setyukov, O. A.; Titarenko, I. I.; Barasheva, T. V.;  
Lashko, N. F.; Khromova, O. A.

*B1*

ORG: none

TITLE: Study of the chemical inhomogeneity in weld joints of ATsM and ATsMU alloys

*18 19*

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy  
(Heat resistant and high-strength alloys), 135-142

TOPIC TAGS: zinc containing alloy, magnesium containing alloy, weld evaluation,  
aluminum alloy / ATsM aluminum alloy, ATsMU aluminum alloy

ABSTRACT: The inhomogeneity of chemical composition in weld joints of ATsM and ATsMU  
alloys (with AMg4 and AMg6 filler wire) was studied by local methods of chemical,  
spectral, and x-ray spectral analyses. It is shown that the average chemical composi-  
tion of the weld joint depends on the composition of the base material and filler  
wire, thickness of the welded sheets, and supply rate of filler wire, and is indepen-  
dent of the single-phase or three-phase welding schedule. An increase in the wire  
supply rate and decrease of the thickness of the sheets causes a rise in the magnesium  
content and drop in the zinc content of the seam. Metallographic analyses of the  
fusion zone showed that its structure consists of grains of base material fused at  
the boundaries; these grains gradually change into the cast grains of the seam. In

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L 47040-66

ACC NR: AT6024922

3

the fused grains of the fusion zone and cast grains of the seam, liquation of zinc from the grain to the periphery is observed; the boundary regions are rich, the central ones poor in zinc. X-ray structural analysis showed the existence of the Al<sub>6</sub>Mn phase in ATsM and ATsMU alloys if the manganese concentration did not exceed 0.26%. In ATsM and to a much lesser degree in ATsMU, which contains half as much Mn, coarse formations of the separated Al<sub>6</sub>Mn phase are observed which promote the generation of microcracks and may increase the tendency toward a slow breakdown. Orig. art. has: 3 figures and 3 tables.

SUB CODE: 11/ SUBM DATE: none

27

welding of dissimilar metals

Card 2/2 vmb

TITARENKO, Ivan Ivanovich; YELCHIN, Pavel Mikhaylovich; UDAL'TSOV, A.N.,  
glavnnyy redaktor; KHIMCHENKO, N.V., kandidat tekhnicheskikh nauk,  
redaktor

[Powerful sharp-focus X-ray tube with rotating anode. Magnetic  
scales for determining ferrite in austenite steel] Moshchnaia  
ostrofokusnaia rentgenovskaya trubka s vrashchayushchimisya  
anodom. Magnitnye vesy dlia opredeleniya ferrita v austenitykh  
staliakh. Tema 3, no. P-56-451. Moskva, 1956. 17 p. (MLRA 10:4)

1. Akademiya nauk SSSR. Institut tekhniko-ekonomiceskoy  
informatsii.  
(X rays--Apparatus and supplies) (Ferrite(Steel constituent))

Titarenko, I. P.

Significance of the doses and intervals between the injections of  
antigens in competition phenomena.

Materialy nauchnykh konferentsii, Kiev, 1959. 286pp  
(Kievskiy Nauchno-issledovatel'skiy Institut Epidemiologii i Mikrobiologii)

TITARENKO, I.Z.

Plant with a perfect organization of production. Bezop. truda v  
prom. № 12:29-30 D '61.  
(MIRA 15:1)

1. Starshiy inzh.-kontroler Krivorozhskogo okruga Gosgortekhnadzora  
USSR.  
(Dneprodzerzhinsk--Coke industry)

TITARENKO, L.

Spassk-Ryazanskiy District veterinary hospital in Ryazan Province  
in the fight for the preservation of communal livestock. Veterina-  
riia 32 no.5:16-19 My '55. (MLRA 8:7)  
(SPASSK-RYAZANSKYI--VETERINARY HOSPITALS)

TITARENKO, L.I.

Drive for a great expansion of communal livestock breeding.  
Veterinariia 32 no.4:22-28 Ap '55. (MLRA 8:5)  
(STOCK AND STOCK BREEDING)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820009-4

TITARENKO, L.L.

High yields of sunflowers. Zemledelie 4 no.12:113-114  
D '56.

(Sunflowers)

(MLRA 10:2)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820009-4"

VAGNER, I.V.; NOVOSEL'SKAYA, A.I.; TITARENKO, L.P.

The beta concentration meter for potassium salt solutions.

Avtom.i prib. no.1:64-68 '59.

(MIRA 13:10)

(Potassium salts--Testing) (Radioisotopes--Industrial applications)

VAGNER, I.V.; NOVOSEL'SKAYA, A.I.; TITARENKO, L.P.

Beta-ray concentration indicator for potassium salt solutions.  
Zav.lab. 26 no.3:342-344 '60. (MIRA 13:6)

1. Institut avtomatiki Gosplana USSR.  
(Potassium salts--Spectra)  
(Potassium--Isotopes)

TITARENKO, L.P.

SOV/5778

## PAGE I BOOK EXPLOITATION

Ukrainian Scientific-Technical Press  
Automatics and Instrumentation: Abstracts of Ukrainian Tradings, VTP. 1.  
(Instrumentation and Measurement Making; Collected Scientific Works, No. 1)  
Kiev, Gospzdatdiz (ESEN), 1959, 107 p., 5,000 copies printed.

Eds.: V. Ponomaryov, Ed.; K. Ousarov; Editorial Board: P.M. Mel'nik  
(Chair Ed.), V.P. Kharov, Ed.; Kryzhev, I.A. Orlow, (Responsible Ed.),  
L.S. Shmyrov, and N.V. Karin.

PURPOSE: This collection of articles is intended for scientific and technical workers and for students of schools or higher education specializing in automation, telemechanics, and computing.

CONTENTS: The collection contains papers on the automation of metallurgical, chemical and power engineering and on the development of new instruments, telemechanical units and a program control system for current sites. A bibliography on automatic analysis of solutions containing 82 items; 42 Soviet, 31 English, 5 German, 4 French and 1 Polish, is included. 30 persons' surnames are mentioned.

## AUTOMATION OF INDUSTRIAL PROCESSES

Korobko, M.I., A.G. Sivchenko, V.M. Korotkovich, V.I. Korolyuk, A.I. Zubov, V.N. Antonov, <u>Automation System for Open-Search Thermal Processes</u>	9
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Shitarkov, V.Z. <u>Key Principle of Control Using High-Speed Nonlinear Controllers for Industrial Processes With Comirable Lag</u>	75
Oribubuk, V.P., and Yu.I. Smolyenko, <u>Appropriate Methods for Selecting Optimum Adjustments of Discontinuous Control Systems</u>	80
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ACCESSION No.: ARJ004751

SOURCE: Ref. zh. Metrol. i izmerit. tekhn. Otr. vyp., Abs. 11.32.765

AUTHORS: Titarenko, L. P.

TITLE: Tracking gamma level meter with semiconductor devices

CITED SOURCE: Sb. Radiats. avtomatika metallurgii, Vyp. 6. Chelyabinsk, 1963,  
212-216. Kiyev, AN USSR, 1964, 74-79

TOPIC TAGS: gamma activity measurement, transistorized equipment, radioactivity  
measurement, pulse shaping

TRANSLATION: The electric circuit of a level meter with semiconductor devices is described. Type STG-1 halogen counters were used to register the radioactive radiation. The shaping stage is an amplifier-coupler with a 1-pair transistor. Test results are presented for a laboratory model of a transistorized following gamma-level meter. The following was established: 1) In the given circuit of the following level meter eliminates all radio noise and electron-magnetic noise.

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L 26630-65

ACCESSION NR: AR5004731

relays, reducing the size and power drain, and increasing the service life of the system, its vibration resistance, and its explosion safety. 2. The small dimensions of the shaping stage and the use of a low-voltage supply make it possible to locate the shaping stage directly in the counter block and to transmit the signal with dc; this reduces greatly the energy lost by the electric pulses in the cable. 3. The features of the pulse-shaping circuit and of the balance network of the amplifier have made it possible to increase the circuit sensitivity, thus permitting a reduction in the activity of the radioactive source by a factor 3-10, compared with the activity of the sources used in analogous systems. 4. The pulse-shaping stage and the balanced circuit of the amplifier can be used for different radioactive relays. 4 illustrations.

SUB CODE: NP, EC

ENCL: 00

Card 2/2

*a* L 9832-66 EWT(m) DIA AP  
ACC NR: AF5025462

SOURCE CODE: UR/0330/65/000/C09/0033/0037

AUTHOR: Koval'skaya, L. P. (Candidate of technical sciences); Silayeva, S. V. (Junior research associate); Zakharova, N. V. (Junior research associate); Titarenko, M. I. (Senior research associate)

ORG: VNIIKOF

ORG: All-Union Scientific Research Institute of the Canning and Vegetable Dehydration Industry (Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti)

TITLE: Preservation of fruit and vegetables by ionizing radiation and sorbic acid

SOURCE: Konservnaya i ovoshchesushil'naya promyshlennost', no. 9, 1965, 33-37

TOPIC TAGS: food technology, <sup>44</sup> irradiation

ABSTRACT: Experiments show that irradiation of fruit preserves containing 0.015, 0.025, and 0.05% sorbic acid (I) does not result in complete sterilization, unless the doses are as high as 1.5, 1.2, and 1.0 million radians, respectively. Ionizing

1/2

UDC: 664.539.101

L 9832-66  
ACC NR: AF5025462

radiation decomposes (I) and thus destroys its preserving action. The lower the initial concentration of (I) in the syrup, the higher the degree of decomposition. The dosage acceptable from the standpoint of color and flavor is 0.4-0.6 million radians. This dosage is sufficient to preserve stewed fruit for long periods only if accompanied by an addition of 0.025% (I) and by heating for 10 min. at 50 C. Since (I) is more active in acid media, sterilization of pickled fruit occurs easier; 0.025% of (I) arrests entirely the growth of yeast, without the use of heat, and 0.4 million radians destroys the activity of bacterial cells. Owing to the presence of lactobacillus, tomatoes should be preserved with hot syrup and irradiated with 0.4-0.6 million radians, independently of the amount of (I) added. Cucumbers need hot syrup, 0.05 or 0.025% of (I) and 0.4-0.6 million radians, respectively. Orig art. has: 6 tables.

NR REF Sov: 000/ OTHER: 000  
SUB CODE: 06/ SUBM DATE: none

TITARENKO, M.P.; BARAZ, S.Ye.

Age-related characteristics of vasomotor reactions during ultraviolet irradiation. Vop. geron. i geriat. 4:244-246 '65. (MIRA 18:5)

1. Institut gerontologii AMN SSSR i Klinicheskaya bol'ница imeni Oktyabr'skoy revolyutsii, Kiyev.

MINTS, A.Ya.; LITOVCHENKO, S.V.; TITARENKO, M.P.

State of the vegetative nervous system in elderly and senile persons; clinical physiological study of neurovascular reactions.  
Fiziol. zhur. [Ukr.] 11 no.6:786-795 N-D '65. (MIRA 19:1)

1. Otdeleniye vozrastnykh izmeneniy nervnoy sistemy Instituta gerontologii AMN SSSR, Kiyev. Submitted April 14, 1965.

TITCHENKO, Maksim Pavlovich; AYOLLO, Mikhail Guseynovich; NEZHIVOY,  
Nikolay Yakovlevich; PETROV, Viktor Yakovlevich; BATSEK, D.M.,  
red.; SIEFER, G.I., tekhn. red.

[Accounting in communications enterprises] Bukhgalterskii uchet v  
predpriatiakh sviazi. [By] M.P.Titchenko 'i dr. Moskva, Sviaz'-  
izdat, 1962. 422 p.  
(Accounting) (Communication and traffic) (MIRA 15:12)

1. TITARENKO, M.V.
2. USSR (600)
4. Dynamos
7. Device for testing the condition of welds in the wiring of direct current machines, Eng. M.V. Titarenko, Rab.energ. 3 no. 4, 1952.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820009-4

...  
TITAKUNO, N. V. --"Methods of Measuring High-Voltage ..." (Dissertation for degree in Science and Engineering, defended at U.S. Higher Educational Institute of Higher Education USSR, Izhev Polytechnic Inst., Izhev, 1955)

SC: Knizhnaya iktopis', No. 24, 1955.

\* For Degree of Doctor of Technical Sciences

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CIA-RDP86-00513R001755820009-4"

TITARENKO, M.V.

Subject : USSR/Electricity AID P - 3241  
Card 1/1 Pub. 29 - 26/30  
Author : Titarenko, M. V., Eng.  
Title : D-C "transformer"  
Periodical : Energetik, 8, 35-37, Ag 1955  
Abstract : The author describes methods of measuring direct current, of which the most used are: 1) shunts with magnetoelectric indicators, used for currents not higher than 5 to 10 ka and 2) d-c "transformers" used for measuring currents up to 50-80 ka (mostly in electrochemistry). The author describes various ways of developing d-c "transformer" schemes and presents the theoretical background of such measurements. Three connection diagrams.  
Institution : None  
Submitted : No date

TETRAKIN, M.V.

8(3)

SOV/143-59-4-4/20

AUTHORS: Bobkov, Yu.N., Candidate of Technical Sciences, and  
Titarenko, M.V., Candidate of Technical Sciences,  
Docent

TITLE: Controlling Insulation of Generator Bearings

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Energetika,  
1959, Nr 4, pp 26-28 (USSR)

ABSTRACT: For a number of reasons, of which the magnetic asymmetry of the rotor is the most important, there are wattless currents along the generator shaft and the shaft of the turbine which is connected with it. These currents also penetrate into the bearings with the result that the bearings are damaged and the grease is decomposed. The article describes three methods to measure these currents in the bearings, but these methods cannot be used to control the currents systematically during operation of the generator. The authors then give a review of a new method, which not only allows to measure the currents in the bearings relatively accurately even during operation of the turbogener-

Card 1/2

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Controlling Insulation of Generator Bearings

SOV/143-59-4-4/20

ator, but also makes it possible to determine defects in the insulation of the foundation of the plant. This method is illustrated in a graph and a block diagram. In order to measure the currents in the bearings ammeters are installed at certain points in the main insulation system (at the ground plate) and on the generator shaft. The measured currents indicate the quality of the insulation and allow to calculate the contact resistances between the different parts of the machine which have wattless currents. This is illustrated by equations. There are 2 block diagrams and 4 Soviet references.

ASSOCIATION: L'vovskiy politekhnicheskiy institut (L'vov Polytechnical Institute)

✓

Card 2/2

AUTHOR: Titarenko, M.V., Engineer.

110-9-13/23

TITLE: On the Use of a Ring Phase-sensitive Circuit as a Power  
Directional Relay. (C primenienii kol'tsevoy fazochuvstvitel'-  
noy skhemy v kachestve reles-napravleniya moshchnosti)

PERIODICAL: Vestnik Elektropromyshlennosti, 1957, Vol.28, No.9,  
pp. 48 - 49 (USSR).

ABSTRACT: Induction power-directional relays type ~~ММС~~-171 suffer from defects which hinder their use in modern high-speed protective systems. In current-directional protective circuits accurate phase measurement is unnecessary and sensitivity to the sign of the phase is sufficient. Therefore, simple phase-sensitive ring circuits are being used as power-directional control elements and a simple ring circuit for this purpose is shown in Fig. 1A. The equivalent circuit for a half-period on condition that the back resistance of the rectifiers is infinite is shown in Fig. 1B. The main characteristics of the circuit were determined experimentally. The phase-angle characteristics for a ring circuit and a relay type ~~ММС~~-171-1/a are given in Fig. 2. Experimental curves of the current passing through the relay as a function of the phase-angle for a number of different values of the current in the protected circuit are given in Card 1/2 Fig. 3. The minimum voltage for the ring circuit is almost half

On the Use of a Ring Phase-sensitive Circuit as a Power Directional Relay.

110-9-13/23

that for relay type 4М6. The curves given in Fig.3 show clearly what relay can be used in the circuit (with what operating current) and the change in phase-angle at which the relay will operate for various currents in the protected circuit. Ring circuits were tried using rectifiers M3B-5 and also germanium diodes type ДГЦ-24. However, the use of germanium diodes sharply increased in the load on the voltage transformer. This could be overcome by using an intermediate transformer in the voltage circuit. It is concluded that the use of a phase-sensitive ring circuit in place of power directional relay type 4М6 makes it possible to: reduce greatly the burdens on the current and voltage transformers; increase greatly the speed of action; reduce the inert zone of protection; and reduce the size, weight and cost of the relay. There are 3 figures.

ASSOCIATION: Leningrad Polytechnical Institute (Leningradskiy Politekhnicheskiy Institut)

SUBMITTED: August 18, 1956.

AVAILABLE: Library of Congress.  
Card 2/2

TITARENKO, M.V.

Directional power relay. Nauch. zap. LPI no.1:206-211 '61.  
(MIRA 16:6)  
(Electric relays)

TITARENKO, M.V.

Negative feedback in d.c. transformers. Mauch. zap. LPI no.1:  
164-168 '61. (MIRA 16:6)  
(Electric transformers)

TITARENKO, M.V.; KAGANOV, Z.G.; SHALINA, L.V., red.; VYALYKH, A.M.,  
tekhn. red.

[Automatic control in power engineering] Avtomatika v ener-  
getike. Novosibirsk, Izd-vo Sibirsogo otd-nie AN SSSR, 1962.  
45 p. (MIRA 15:7)

(Power engineering) (Automatic control)

TITARENKO, M.V., kand.tekhn.nauk

Static phase indicator. Energetik 9 no.11:24-26 N '61.  
(MIRA 14:12)

(Phase converters)  
(Electric measurements)

TITARENKO, M.V.

Protection of d.c. generators. Izv.Sib.otd.AN SSSR no.5:119-122  
'61. (MIRA 14:6)

1. Institut avtomatiki i elektrometrii Sibirskogo otdeleniya  
AN SSSR, Novosibirsk.  
(Electric protection) (Electric generators)

TITARENKO, M.V.

Conference on automatic control and methods of electric measurements. Priborstroenie no.1:22-23 Ja '61. (MIRA 14:1)  
(Automatic control--Congresses)  
(Electric measurements--Congresses)

S/119/61/000/001/009/013  
B019/B067

AUTHOR: Titarenko, M. V., Candidate of Technical Sciences

TITLE: Conference on Automatic Control and Electrical Measuring Methods

PERIODICAL: Priborostroyeniye, 1961, No. 1, pp. 22 - 23

TEXT: From September 20 to 24, 1960, the vtoraya Konferentsiya po avtomaticheskому kontrolyu i metodam elektricheskikh izmereniy (Second Conference on Automatic Control and Electrical Measuring Methods) was convened at Novosibirsk by the Institut avtomatiki i elektrometrii (IAE) Sibirskego otdeleniya AN SSSR (Institute of Automation and Electrometry of the Siberian Division of the AS USSR) and the Novosibirskoye sovnarkhoz (Novosibirsk sovnarkhoz). More than 100 lectures were delivered at this Conference which was attended by 400 scientists. At the same time also more than 50 instruments and automatic devices were shown. Seven lectures were delivered at the plenary meetings. K. B. Karandeyev, Director of the IAE, Corresponding Member of the AS USSR, spoke about scientific problems ✓

Card 1/5

Conference on Automatic Control and  
Electrical Measuring Methods

S/119/61/000/001/009/013  
B019/B067

and prospects of development. L. A. Ioffe (Novosibirsk) spoke about the automation of production. D. I. Ageykin, Candidate of Technical Sciences, of the Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automation and Telemechanics of the AS USSR) spoke about new principles in automatic control systems and in pick-ups. M. P. Tsapenko, Candidate of Technical Sciences, spoke about the classification of digital measuring instruments. In the section for electrical measuring methods G. A. Shevtsov, Candidate of Technical Sciences and T. I. Bardila of the L'vovskiy politekhnicheskiy institut (L'vov Polytechnic Institute) spoke about the measurement of the modulus and the phase of the first harmonic of audiofrequency voltages. Z. G. Kaganov, Candidate of Technical Sciences and V. A. Sigorskiy, Doctor of Technical Sciences, of the IAE, spoke about the determination of circuit parameters. A. L. Grokholskiy, Candidate of Technical Sciences, spoke about a new measuring bridge developed at the NGIMIP. A. M. Litvinov and L. Ya. Mizyuk, Candidate of Technical Sciences, of the IAE spoke about the measuring the changes of circuit parameters. In the section for analysis and synthesis of control systems Ya. S. Brovman and P. I. Slezinger spoke about digital program control systems for

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milling machines. F. B. Grinevich, Candidate of Technical Sciences, and V. P. Shul'ts of the IAE, spoke about a high-speed circuit for the amplitude comparison of two a. c. voltages. The lecture by V. N. Skugorov (Moscow) dealt with a device for checking the composition of a tri-component solution. In the section for automatic control devices Yu. F. Afanas'yev, I. G. Gol'dreyer, O. P. Khvostov, and Yu. B. Shaub (Lenin-grad) spoke about high-speed automatic potentiometers. K. B. Karandeyev, Corresponding Member of the AS USSR, F. B. Grinevich, Candidate of Technical Sciences, and V. P. Shul'ts of the IAE spoke about design problems of automatic bridge devices for the testing of condensers. V. G. Vasil'yev (Moscow) spoke about a d. c. computing bridge. P. I. Dekhtyareko, Kiyev Candidate of Technical Sciences, spoke about semiconductor voltage indicators. In the section for automatic control devices in the industry, G. N. Muskhelishvili, Candidate of Physics and Mathematics, N. Sh. Kiladze, V. R. Mikirtumov, and Z. I. Bakhtadze (Gruzinskaya SSR) spoke about control devices consisting of semiconductors and magnetic elements. I. N. Pustinskiy, F. M. Usol'tsev, Yu. N. Zhukov, V. S. Chernyshev, V. Yu. Yuzov, V. A. Shernin, and G. A. Kozin spoke about the development

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of television sets used for industrial purposes at the Tomskiy poli-tehnicheskiy Institut (Tomsk Polytechnic Institute). In the section for digital measuring instruments M. P. Tsapenko, Candidate of Technical Sciences, A. N. Kasperovich, P. V. Karpyuk, A. A. Aref'yev, and P. Ye. Tverdokhleb of the IAE, spoke about the production of dial instruments for measuring low voltages at several points. V. R. Romanovskiy (Lenin-grad), M. S. Rojtyman, A. N. Karmadonov, S. A. Gofman, and Yu. A. Ryabinkin (Tomsk) spoke about the development of semiconductor converters for small voltages. The lecture by L. V. Yankovskiy (Novosibirsk) was devoted to indicators for strong linear displacements. In the section for the electrical measurement of nonlinear quantities, N. Ye. Osipova (Ivanovo) spoke about the development of hygrometers for the textile industry. S. S. Bogutskiy, Candidate of Technical Sciences, V. P. Orlov, Yu. B. Bogdanov, Yu. A. Kryuchkov, and V. I. Zakharov of the Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (Kuznets Scientific Research Institute for Coal) delivered four lectures about the problems of the application of tensometric pick-ups in the coal industry. G. N.

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Muskhelishvili and V. R. Mikirtumov (Tbilisi) spoke about a micro-extensometer for fluids. A conference dealing with the same problems is scheduled to take place at Novosibirsk for September 19 to 23, 1961.

Card 5/5

PHASE I BOOK EXPLOITATION

SOV/3380

Titarenko, Mikhail Vasil'yevich, and Igor' Alekseyevich Noskov-Dukel'skiy (Deceased)  
Releynaya zashchita v elektricheskikh sistemakh (Relay Protection of Electrical  
Systems) [Lvov] Izd-vo L'vovskogo univ., 1959. 375 p. Errata slip inserted.  
3,500 copies printed.

Ed.: V. V. Blikh; Tech. Ed.: A. V. Malyavko.

PURPOSE: This is a textbook approved by the Ministry of Higher Education of the USSR for use in power engineering and electrical engineering departments in schools of higher education. The book may also be of use to students of teknikums specializing in relay protection and to engineers and technicians engaged in the design, installation and operation of relay protection systems.

COVERAGE: The book discusses relay protection of the basic units of electrical systems: transmission lines, generators, transformers, motors, and bus bars. In writing the book the authors have complied with the requirements set forth in, "Rules for the Erection of Electric Installations" (1957). According to the authors, their book represents an attempt to compile a textbook corresponding to the program of the course, "Electric Power Stations, Networks and Systems," existing Soviet books on relay protection being inadequate for the program of this Card 1/10

Relay Protection of Electrical Systems

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course. The authors thank Professors G. Z. Schokhitskiy, I. I. Greben', and Engineers N. L. Sadnovskiy, G. G. Glovatskiy and Ye. N. Zesim for their help. Chapters 1 to 8 were written by M. V. Titarenko, Chapters 9 to 12 by I. A. Noskov-Dukel'skiy. There are 61 references, all Soviet.

TABLE OF CONTENTS:

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1. Purpose of relay protection	5
2. Basic information on relays	6
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5. Basic, reserve and auxiliary protections	17
6. Operating current	18
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Card 2/10

TITARENKO, M.V., inzh.

Using a ring-type phase-sensitive circuit as power direction relay.  
Vest.elektroprom. 28 no.9:48-49 S '57. (MIRA 10:11)

1. Leningradskiy politekhnicheskiy institut.  
(Electric relays)

TITARENKO, M.V., kand.tekhn.nauk

Decreasing the dead zone in directional current protection.  
Izv. vys. Ucheb. Zav.; energ. no.3:14-15 Kt '58. (MIRA 11:5)

1. L'vovskiy politekhnicheskiy institut.  
(Electric circuit breakers)

TITAMENKO, M.V.,kand. tekhn. nauk.;LOGANCHUK, L.M.,inzh.

Electromagnetic reverse-current relay. Energetik 6 no. 1:23-24 Ja'58.  
(Electric relays)

BOBKOV, Yu.N., kand.tekhn.nauk; TITARENKO, M.V., dotsent, kand.tekhn.  
nauk.

Checking the insulation of generator bearings. Izv.vys.ucheb.  
(MIRA 12:9)  
zav.; energ. 2 no.4:26-28 Ap '59.

1. L'vovskiy politekhnicheskiy institut. Predstavlena kafedroy  
elektricheskikh stantsiy, setey, i sistem.  
(Electric generators) (Bearings(Machinery))

TITARENKO, Mikhail Vasil'yevich; NOSKOV-DUKEL'SKIY, Igor' Alekseyevich  
[deceased]; BLIKH, V.V., red.; MALYAVKO, A.V., tekhnred.

[Relay protection in electrical systems] Releinaia zashchita v  
elektricheskikh sistemakh. L'vov, Izd-vo L'vovskogo univ., 1959.  
375 p. (MIRD 12:12)  
(Electric relays)

TITARENKO, N.; KABANOV, M.

Reinforced concrete elements for mining and ore dressing combines of the Krivoy Rog Basin. Prom.stroi. i inzh. soor. 4 no.4:4-10 Jl-Ag '62. (MIRA 15:9)

1. Glavnnyy inzh. tresta "Krivorozhstroydetal'" (for Titarenko).
2. Glavnnyy tekhnolog tresta "Krivorozhstroydetal'" (for Kabanov).  
(Krivoy Rog Basin--Precast concrete)

TITARENKO, N. D.

TITARENKO, N. D.: "The effect of maintenance conditions before slaughtering sheep on their meat and other products". Leningrad, 1955. Min Higher Education USSR. Leningrad Veterinary Inst. (Dissertations for the degree of Candidate of Veterinary Science.)

SO: Knizhnaya Letopis' No. 50 10 December 1955. Moscow.

Titarenko, N. I.

AUTHORS: Krasovitskiy, B. M., Moryganov, P. V., 20-3-21/46  
Titarenko, N. I., Mel'nikov, B. N.

TITLE: A Comparative Study of the Affinity of Direct Azodyes - of the Diphenyl and p - Terphenyl Derivatives - to Cellulose Cotton Fibre (Sравнительное исследование свойств азодигоксигениновых красителей - производных дифенила и пара-терфенила - к тканым волокнам хлопка).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 3, pp. 425-428 (USSR)

ABSTRACT: The question of the relation between the structure of the azo dyes and their affinity to cellulose fibre, attracts since long the attention of many researchers. To enable a dye to express its substantive properties, the presence of a long chain of conjugated double bonds in its molecules is required. Then the molecules become unsaturated and can easily be fixed on the cellulose fibre. An essential condition of the dye is that the substantive properties are correlated to a large extent with the planear structure of their molecules, or respectively with the assumption of such a structure in the case of an interaction with the cellulose fibre. An essential condition of the properties

Card 1/4

A Comparative Study of the Affinity of Direct Azodyes  
- of the Diphenyl and p - Terphenyl Derivatives - to  
Cellulose Cotton Fibre.

20-3-21/46

is, after all, the capacity of forming at least two hydrogen bonds between the molecules of the dye and the hydroxil groups of the cellulose. In spite of antithetical assertions, Robinson has proved that distances between the groups of molecules of dyes able to form hydrogen bonds, must not be approximated to the identity period of the cellulose (= 10.3 Å). Hydrogen bonds may occur at almost every place of the cellulose chain. After quoting further references the authors state that the investigation of the p-terphenyl derivatives allows to trace a successive agglomeration of benzene-rings. In this way the influence of the chain prolongation of the conjugated double bonds on the affinity of dyes to the cellulose fibre can be traced too. Further it can be stated in this context how far the mutual position of the groups able to form hydrogen bonds with cellulose, and the distance between them is of importance. Since this method was available to the authors, they compared some benzidine dyes with corresponding p-terphenyl derivatives. The azo-component to which very little attention is paid,

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A Comparative Study of the Affinity of Direct Azodyes  
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together with its influence on the activity of the dyes, should be investigated simultaneously. Properties of benzidine dyes with 8 various azo components and of p - terphenyl derivatives with 3 azo-components were investigated. The data in table 1 show that the introduction of an additional benzene-ring in the molecule of the dye increases in all cases the affinity of the dyes to cotton cellulose fibre. In the case of dyes with the azo components Chicago SS and E -acids the affinity grows more at 80° than at 100°. This difference can be well explained by a greater tendency to aggregation in the case of decline of temperature with these dyes. The affinity is thus correlated also with the great entropy changes at the transition of an individual dye molecule into aggregates since the fibre is able to absorb also the later ones. In the coloring process this phenomenon is presented by the fact that the fibre is able to absorb a larger quantity of dyes than provided by the nature of the forces acting between the dye and the fibre. Thus the prolongation of the

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A Comparative Study of the Affinity of Direct Azodyes  
- of the Diphenyl and p - Terphenyl Derivatives .. to  
Cellulose Cotton Fibre.

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chain of the conjugated double bonds lead to an enlargement of the hydrophobic surface and to an intensification of polarization of the molecules of the dyes. By this, the affinity to the cellulose fibre increases regardless of the fact that the distance between the groups forming hydrogen compositions with cellulose, does not agree with the identity period of the cellulose. Concluding, further comparisons between the benzidine dyes with various azo components are quoted and conjectures about differences between them enounced. There are 1 table, and 21 references, 10 of which are Slavic.

ASSOCIATION: Khar'kov State University, imeni A. M. Gor'kogo. Ivanovo Chemical Technological Institute (Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo. Ivanovskiy khimiko-tehnologicheskiy institut).

PRESENTED: May 15, 1957, by B. A. Kazanskiy, Academician

SUBMITTED: May 14, 1957.

AVAILABLE: Library of Congress

Card 4/4

KRASOVITSKIY, B.M.; TITARENKO, N.I.

Effect of space factor on the properties of dyes containing a biphenyl ring. Part II: Comparative investigation of azo dyes, the derivatives of biphenyl, n-terphenyl and n-quaterphenyl. Ukr. khim. zhur. 24 no.4:481-486 '58. (MIRA 11:10)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.  
(Azo dyes)

SOV/79-29-8-62/81

(3)

AUTHORS:

Litvinenko, L. M., Levchenko, N. F., Krasovitskiy, B. M.,  
Titarenko, N. I.

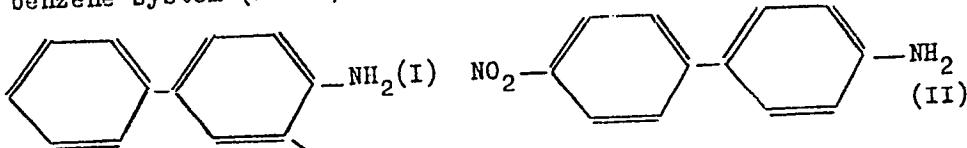
FILE:

Spatial Structure and Reactivity. XIV. On the Interaction of the  
Atom Groups Separated by One, Two, or Three Benzene Nuclei  
According to the Investigation Data of the Reaction Kinetics of  
Aromatic Amines With Picrylchloride

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2724-2729 (USSR)

ABSTRACT:

Recently Litvinenko and collaborators succeeded in determining,  
during the investigation of the acylation kinetics of 4-amino-  
biphenyl (I) and 4-amino-4-nitrobiphenyl (II) as well as aniline  
and p-nitroaniline, that the effect of the nitro group upon the  
reactivity of the aromatic amino group in the molecular system  
of biphenyl is many hundreds of times weaker than it is in the  
benzene system (Ref 1).



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Amines With Picrylchloride

The ratio of the rate constants for the reactions of the amino and aminonitro derivatives may serve the quantitative evaluation

of this effect, e.g.  $\frac{K_I}{K_{II}}$  (factor f) (Refs 2-5). In the present

paper the authors dealt with the problem of how the effect of the  $\text{NO}_2$  group upon the reactivity of the  $\text{NH}_2$  group occurs when the same kinetic method is used in the case that these groups are separated from one another by a system of three benzene nuclei. The reaction of the aromatic amines with picryl chloride in a benzene solution was taken as an example, since it proved to be highly sensitive to structural changes in the amine molecule (Ref 6) and can therefore be successfully used for the quantitative characterization of the influence of the slightest differences in the structures of the named compounds upon the reactivity of the aromatically bound amino group. On the basis

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Spatial Structure and Reactivity. XIV. On the SOV/79-29-8-62/81  
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Amines With Picrylchloride

of these considerations the kinetics of the reaction of compounds (III) and (IV) with picryl chloride in benzene was investigated and compared to the data of the kinetics previously obtained for the reaction of picryl chloride with aniline-4-amino-biphenyl and 4-amino-4-nitrobiphenyl (Ref 7). It was shown that the nitro group has a very strong effect upon the reactivity of the amino group which occupies the para-position in the same benzene nucleus. This effect is reduced in the binuclear molecular system of biphenyl and disappears almost completely in the system of n-triphenyl. These phenomena are due to a specific structural spatial arrangement. There are 4 tables and 16 references, 14 of which are Soviet.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet (Khar'kov State University)

SUBMITTED: July 10, 1958

Card 3/3

S/073/60/026/001/011/021  
B004/B054

AUTHORS: Krasovitskiy, B. M., Pereyaslova, D. G., and Titarenko, N.I.

TITLE: Effect of Steric Factors on Properties of Dyes Containing a Biphenyl Ring. XIV. Comparative Study of Color and Affinity to Cotton of Some Azo Dyes Which Are Derivatives of Biphenyl, Dibenzyl, Trans-stilbene, Tolan, and Azobenzene

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, 1960, Vol. 26, No. 1,  
pp. 73-77

TEXT: The authors studied the effect of conjugated double bonds on the affinity of dyes to cotton. An(Ash) acid in alkaline medium was used as azo component [Abstracter's note: This acid is not defined in the present paper]. The following were used as diazo components: benzidine (I); 4,4'-diamino-dibenzyl (V); 4,4'-diamino-trans-stilbene (VI); 4,4'-diamino-4,4'-diamino-azobenzene (VIII); 4,4'-diamino-p-terphenyl (IX); tolan (VII); and 3,3'-diamino-azobenzene (X). The absorption spectra were taken by an C $\Phi$ -2M(SF-2M) spectrophotometer. The affinity to cotton was determined at 80° and 100°C by measuring the decrease in dye concentration of the solution

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Effect of Steric Factors on Properties of Dyes  
 Containing a Biphenyl Ring. XIV. Comparative  
 Study of Color and Affinity to Cotton of Some  
 Azo Dyes Which Are Derivatives of Biphenyl,  
 Dibenzyl, Trans-stilbene, Tolan, and Azobenzene

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by an ФЕК-М (FEK-M) photocalorimeter. The following data are given in  
 Tables 1-3:

Diazo component	$\lambda_{\text{max}}$ , m $\mu$	Affinity 80°C	keal/mole 100°C	In all compounds in which the conjugation of double bonds is interrupted (V, X), the affinity to cotton decreases. A replace- ment of the ethylene bridge of VI by the acetylene bridge of VII also reduces the
I	595	4.45	3.73	
V	556	2.97	1.45	
VI	600	5.75	4.70	
VII	580	4.83	3.97	
VIII	609	5.12	4.19	
IX	566	6.00	5.26	
X	540	3.18	2.74	

affinity. Z. V. Oleynikova assisted in the experiments. There are 5  
 tables and 26 references: 12 Soviet, 6 British, 1 French, 4 German, 1  
 Italian, and 1 Swiss.

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Effect of Steric Factors on Properties of Dyes  
Containing a Biphenyl Ring. XIV. Comparative  
Study of Color and Affinity to Cotton of Some  
Azo Dyes Which Are Derivatives of Biphenyl,  
Dibenzyl, Trans-stilbene, Tolan, and Azobenzene

S/073/60/026/001/011/02:  
B004/B054

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo  
(Khar'kov State University imeni A. M. Gor'kiy);  
Khar'kovskiy institut Sovetskoy torgovli (Khar'kov Institute  
of Soviet Commerce)

SUBMITTED: July 9, 1958

Card 3/3

TITARENKO, A. I., Cand Chem Sci. -- "Study of a number of nitrogen dyes, derivatives of  $\pi$ -terphenyl." Mos, 1961.

(Min of Higher and Sec Spec Ed RSFSR. Mos Order of Lenin  
Chem-Technol Inst im D. I. Mendeleyev) (KL, 8-61, 231)

KRASOVITSKIY, B.M.; LITVIMENTO, L.M.; TITARENKO, N.I.; LEVCHENKO, V.P.

Influence of steric factors on the properties of dyes containing  
a biphenyl nucleus. Part 15: Comparative study of the color  
of monoazo dyes, biphenyl derivatives, and certain dyes  
containing various charge groups in the diazo constituent. Ukr.  
khim. zhur. 27 no. 1:94-97 '61. (MIRA 14:2)

1. Khar'kovskiy gosudarstvennyy universitet im. A.N. Gor'kogo.  
(Dyes and dyeing)

KRASOVITSKIY, B.M.; OSTROVSKAYA, B.I.; TITARENKO, N.I.

Effect of spatial factors on the properties of dyes containing a biphenyl nucleus. Part 16: Monoazo dyes, derivatives of benzene, biphenyl, and *p*-terphenyl, containing amide groups. Ukr. khim. zhur. 27 no.2:226-230 '61. (MIRA 14:3)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.  
(Azo dyes)

KRASOVITSKIY, B.M.; TITARENKO, N.I.

Effect of spatial factors on the properties of dyes containing a biphenyl nucleus. Part 17: Monoazo dyes from some 4'-substituted derivatives of 4-amino - $\rho$ -terphenyl. Ukr. khim. zhur. 27 no.2:230-234 '61. (MIRA 14:3)

1. Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo  
(Azo dyes)

KRASOVITSKIY, B.M.; TITARENKO, N.I.

Effect of steric factors on the properties of dyes containing a biphenyl ring. Part 18: Asymmetric bisazo dyes from 4,4'-diamino-p-terphenyl. Ukr.khim.zhur. 27 no.3:390-395 '61.  
(MIRA 14:11)

1. Khar'kovskiy gosudarstvenny universitet im. A.M.Gor'kogo.  
(Azo dyes)  
(Terphenyl)

BEREZHNAY, A.I.; KULAGIN, P.G.; SVIRILOV, V.A.; LEVCHENKOV, A.T.; TITARENKO, N.  
Kh.

Foam damper on an organosilicone base for clay muds. Burenie  
no.3:16-17 '64. (MIRA 18:5)

1. Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta prirodnogo gaza i trest "Poltavaneftgazrazvedka".

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820009-4

LEVCHENKO, A.T.; TITARENKO, N.Kh.

Chalk fluid. Neft. i gaz. prom. no. 3; 19-22 Jl-5 '64,

(MERA 17:12)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820009-4"

LEVCHIK, A.Y.; VIAZHEV, V.P.

Using calcium chlorite clay muds for drilling in crumpling  
argillite. Neft. i gas. prom. no.4:18-20 O-B '63.

(MIA 17:12)

1. Trust "Poltavneftegazravdika".

DVERIY, V.P.; TITARENKO, N.Kh.

Production casing has been lowered to a depth of 2564 m. Neftianik  
6 no. 5:7-9 My '61. (MIRA 14:5)

1. Nachal'nik tematicheskoy partii po bureniyu KTE tresta Poltava-  
neftegazrazvedka (for Dveriy). 2. Zaveduyushchiy laboratoriye  
glinistykh rastvorov tresta Poltavaneftegazrazvedka (for Titarenko).  
(Dnieper-Donets Lowland--Oil well drilling)

GRYANENKO, K.K.; TITARENKO, N.Kh.

Physicochemical characteristics of drilling muds from Poltava  
clays. Ukr. khim. zhur. 29 no.4:383-387 '63. (MIRA 16:6)

1. "Poltavskiy pedagogicheskiy institut.  
(Poltava Province—Clay)  
(Drilling fluids)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820009-4

LEVCHENKO, A.T.; TITARENKO, N.Kh.

Argillite muds. Trudy UkrNIGRI no.7:131-133 '63.  
(MIRA 19:1)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755820009-4"

TITARENKO, N.M.

Treatment of chronic tuberculous pleurisy and rigid pneumothoraxes  
by means of active aspiration with a controlled vacuum technic.  
Probl.tub. no.8:98-100 '61. (MIRA 15:5)

1. Iz Tuberkuleznogo sanatoriya imeni M.I. Kalinina Moskovskogo  
oblastnogo otdela zdravookhraneniya (glavnyy vrach I.D. Spiridonov).  
(TUBERCULOSIS) (PNEUMOTHORAX) (PLEURISY)

TITARENKO, O.K.; NIKUL'SHIN, K.Ye.

New truck-mounted hydraulic hoist. Gor.khoz.Mosk. 33  
no.11:30-31 N '59. (MIRA 13:2)  
(Hoisting machinery)

TITARENKO, O.O. [Tytarenko, O.O.]; KUZNETSOVA, M.M.

Effect of microelements on the growth and development of  
decorative flowering plants. Visnyk Bot.sada AN Ukr.R no.4;  
21-23 '62. (MIRA 16:1)  
(Plants, Effect of trace elements on) (Odessa--Flowers)

TITARENKO, P. S., and BUCHINSKIY, I. Ya. (reviewers)

Review of Rukovodstvo po podgotovke aerologicheskikh yezhegodnikov (ch. 1, 2, 3) Meteorol. i gidrologiya, No 5, 1953, pp 59-61

The authors review Rukovodstvo po podgotovke aerologicheskikh yezhegodnikov (ch. 1, 2, 3) (Guide to the Preparation of Aerological Yearbooks [Parts 1, 2, 3]), Gidrometeoizdat [Hydrometeorological Press], 1952, free. (RZhGeol, No 5, 1954)

SO: Sum. No. 568, 6 Jul 55

SOFRONOV, F.P.; TITARENKO, P.Ya.; TUTOV, M.P.; LISIN, G.Ya.; SONIN, B.A.

"Deep open-pit mines" by M.G.Novozhilov, V.G.Selianin. Gor. zhur no.4:  
77-78 Ap '63. (MLR 16:4)  
(Strip mining) (Novozhilov, M.G.) (Selianin, V.G.)

TITARENKO, Petr Yakovlevich; TEREKHIN, Vyacheslav Nikolayevich;  
REMENNICK, Lev Moiseyevich; SUKHOV, Afanasiy Filimonovich;  
NAZAROV, Petr Petrovich; KUTUZOV, Boris Nikolayevich;  
TOKAR', Moisey Grigor'yevich; SONIN, Boris Aleksandrovich;  
SOFRONOV, Fedor Petrovich; GEYMAN, I.M., red.izd-va;  
LAVRENT'YEVA, L.G., tekhn. red.

[New developments in boring and blasting operations in  
asbestos open pit mines] Novoe v burovzryvnykh rabotakh na  
asbestovykh kar'erasakh. Moskva, Gosgortekhizdat, 1963. 68 p.  
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(Asbestos mines and mining) (Blasting)

TITARENKO, V.

Volunteer inspector's day. Sov. profsoiuzy 19 no.16:12-13  
Ag '63. (MIRA 16:10)

1. Omskiy neftepererabatyvayushchiy zavod.

POLOSIN, N.V., inzh.; TITISHOV, R.K., inzh.

Construction of the pressureless diversion tunnel of the  
Ladzhamuri Hydroelectric Power Station. Gidr. stroi. 32  
no.6:11-13 Je '62. (MIRA 15:6)  
(Ladzhanuri Hydroelectric Power Station—Tunneling)

TITARENKO, R.M.

New fertilizer spreader from "Farm mechanization" No.8, 1960.  
Trakt. i sel'khozmash. 31 no.6:47-48 Je '61. (MIRA 34:6)  
(Fertilizer spreaders)

TITARENKO, R.M., inzh.; BIGENTSEN, E.R.

Machines for ammonia water application. Trakt. i sel'khozmash. 30 no.7:  
33-34 Jl'60. (MIRA 13:10)  
(Fertilizer spreaders) (Ammonia)

TITARENKO, R.M.

The PTI-8 lime sprayer. Biul.tekh.-ekon.inform.Gos.nauch.-issl.-  
inst.nauch.i tekhn.inform. 16 no.4:64-65 '63. (MIRA 16:8)  
(Spraying and dusting equipment in agriculture)

TITARENKO, S.

Battle banner of the international working class. Sov.profsoinzy  
16 no.9:7-9 My '60. (MIRA 13:7)  
(Internationalism)

TITARENKO, S.

19722 TITARENKO, S. Sotsializm i trudovou sobyom mass. (K 20 letiyu raboty V.I. Lenina  
"Velikiy Pochin") Sm. 19639

SO: LETOPIS' ZHURNAL STATISTIČ. Vol. 27 Moskva 1969

FITARENKO, S.

Die Sowjetordnung-die demokratischste Ordnung Der Welt. Berlin, Dietz, 1954.  
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SO: N/5  
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TITARENKO, S.L., kand.istoricheskikh nauk

Realization of a great dream. Nauka i zhizn' #3 no.9:1-4  
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(Communism)

BELOUS, M.V.; PERMYAKOV, V.G.; TITARENKO, S.V.

Carbide transformation during the tempering of silicon steel.  
Izv. vys. ucheb. zav.; chern. met. 8 no.9:171-174 '65.

(MIRA 18:9)

1. Kiyevskiy politekhnicheskiy institut.

TITARENKO, V. (Baku)

Behind the screen of loquacity. Sov. profsoiuzy 19 no.6:12-15  
Mr '63. (MIRA 16:3)

1. Spetsial'nyy korrespondent zhurnala "Sovetskiye profsoyuzy".  
(Azerbaijan--Trade unions) (Azerbaijan--Agriculture)

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TITARENKO, V., podpolkownik

Every shot on target. Voen.vest. 41 no.12:107-108 D '61.  
(MIRA 15:3)  
(Artillery, Field and mountain)

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TITARENKO, V., podpolkovnik

Every shell on target. Voen.vest. 42 no.9:112-114 S '62.  
(MIRA 15:8)  
(Artillery, Field and mountain)

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TITARENKO, VA.

В. А. Титаренко защитила 17/X 1960 г. в Совете I Ленинградского медицинского института имени И. П. Павлова диссертацию на тему «Влияние отрицательно-ионизированного воздуха на больных гипертонической болезнью в условиях Кисловодского курорта».

Клинически и методами радиоизотопной диагностики (электрокардиографии, сплетизмографии) показано, что в условиях курортного лечения аэроионизация отрицательного знака может быть рекомендована в практику лечения гипертонической болезни.

**Candidate of Medical Sciences**

Dissertations approved by the Higher Attestation Commission in  
January and February of 1961. Terap. arkh. no16:117-121 '61

TITARENKO, V.A., mladshiy nauchnyyy sotrudnik

Effect of negatively ionized air on hypertension under the conditions of Kislovodsk health resort. Uch.zap.Pyat.gos.nauch.-issl. bal'n.inst. 3:280-294 '60. (MIRA 15:10)  
(HYPERTENSION)(KISLOVODSK--HEALTH RESORTS, WATERING PLACES, ETC.)  
(AIR, IONIZED--THERAPEUTIC USE)

TITARENKO, V.S.

Unsolved problems in mechanizing operations in the Molotov Combine  
mines. Mekh.trud.rab.9 no.9:18-20 S'55. (MIRA 8:12)

1. Glavnnyy inzhener kombinata Molotovugol'.  
(Kizel Basin--Coal mining machinery)

S/145/62/000/001/007/010  
D262/D308

AUTHOR: Titarenko, V.S., Engineer

TITLE: Tests and sizing of the experimental free-piston gas generator

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashino-stroyeniye, no. 1, 1962, 100 - 104

TEXT: The author deals with the experimental gas generator GP-95 (GR-95) designed, built and tested in 1960 by the Lugansk Diesel Locomotive Plant and here described in detail. The results of the tests conducted in cooperation with TsNIDI recorded in form of graphs, show that the economy indicators are still low, the specific fuel consumption is too high (181.5 instead of 152 g/HP hour, as calculated). The main reasons are unsatisfactory processes of mixing and combustion in the cylinder. There are 6 figures and 2 tables.

ASSOCIATION: Luganskiy teplovozostroitel'nyy zavod (Lugansk Diesel Locomotive Plant)

SUBMITTED: September 25, 1961

Card 1/1

TITARENKO, V.S., inzh.

Testing and finishing the experimental free-piston gas producer.  
Izv.vys.ucheb.zav.; mashinostr. no.1:100-104 '62. (MIRA 15:4)

1. Luganskiy teplovozostroitel'nyy zavod.  
(Gas producers)